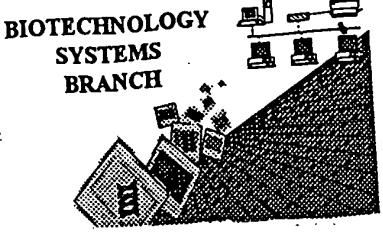


RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/088,853
Source: PCT10
Date Processed by STIC: 4/8/02

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FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
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Revised 01/29/2002



PCT10
 Does Not Comply
 Corrected Diskette Needed
 Errors on pp. 1,2,3,4

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/088,853

DATE: 04/08/2002
 TIME: 15:19:39

Input Set : A:\EP.txt
 Output Set: N:\CRF3\04082002\J088853.raw

3 <110> APPLICANT: GSF-Forschungszentrum for Umwelt und Gesundheit
 4 Artemis Pharmaceuticals GmbH
 6 <120> TITLE OF INVENTION: Method for identifying MHC-restricted
 7 antigens
 9 <130> FILE REFERENCE: P12541
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/088,853
 C--> 12 <141> CURRENT FILING DATE: 2002-03-21
 14 <150> PRIOR APPLICATION NUMBER: DE-199 45 171.0
 15 <151> PRIOR FILING DATE: 1999-09-21
 17 <150> PRIOR APPLICATION NUMBER: DE-199 51 543.3
 18 <151> PRIOR FILING DATE: 1999-10-26
 20 <150> PRIOR APPLICATION NUMBER: DE-199 62 508.5
 21 <151> PRIOR FILING DATE: 1999-12-23
 23 <160> NUMBER OF SEQ ID NOS: 13
 25 <170> SOFTWARE: PatentIn Ver. 2.1
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 12
 29 <212> TYPE: RNA
 30 <213> ORGANISM: Influenza A virus
 32 <220> FEATURE:
 33 <221> NAME/KEY: misc_feature
 34 <222> LOCATION: (1)..(12)
 35 <223> OTHER INFORMATION: 3'-conserved region of wild type influenza virus
 37 <400> SEQUENCE: 1 12
 38 ccugcuuuug cu
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 12
 43 <212> TYPE: RNA
 44 <213> ORGANISM: Influenza B virus
 46 <220> FEATURE:
 47 <221> NAME/KEY: misc_feature
 48 <222> LOCATION: (1)..(12)
 49 <223> OTHER INFORMATION: 3'-conserved region of wild type influenza virus
 51 <400> SEQUENCE: 2 12
 W--> 52 nnygcuucug cu
 55 <210> SEQ ID NO: 3
 56 <211> LENGTH: 12
 57 <212> TYPE: RNA
 58 <213> ORGANISM: Influenza C virus
 60 <220> FEATURE:
 61 <221> NAME/KEY: misc_feature
 62 <222> LOCATION: (1)..(12)
 63 <223> OTHER INFORMATION: 3'-conserved region of wild type influenza virus

must explain n - see error
 summary sheet item 9

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/088,853

DATE: 04/08/2002
TIME: 15:19:39

Input Set : A:\EP.txt
Output Set: N:\CRF3\04082002\J088853.raw

12

65 <400> SEQUENCE: 3
66 ccugcuucug cu
69 <210> SEQ ID NO: 4
70 <211> LENGTH: 13
71 <212> TYPE: RNA
72 <213> ORGANISM: Influenza A virus
74 <220> FEATURE:
75 <221> NAME/KEY: misc_feature
76 <222> LOCATION: (1)..(13)
77 <223> OTHER INFORMATION: 5'-conserved region of wild type influenza virus
79 <400> SEQUENCE: 4
80 aguagaaaca agg
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 13
85 <212> TYPE: RNA
86 <213> ORGANISM: Influenza B virus
88 <220> FEATURE:
89 <221> NAME/KEY: misc_feature
90 <222> LOCATION: (1)..(13)
91 <223> OTHER INFORMATION: 5'-conserved region of wild type influenza virus
93 <400> SEQUENCE: 5

13

w--> 94 aguagwaaca rnn
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 13
99 <212> TYPE: RNA
100 <213> ORGANISM: Influenza C virus
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: (1)..(13)
105 <223> OTHER INFORMATION: 5'-conserved region of wild type influenza virus
107 <400> SEQUENCE: 6
108 agcaguagca agr
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 12
113 <212> TYPE: RNA
114 <213> ORGANISM: Influenza A virus
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: (1)..(12)
119 <223> OTHER INFORMATION: 3'-terminal nucleotide sequence
121 <400> SEQUENCE: 7
122 ccugguucuc cu
125 <210> SEQ ID NO: 8
126 <211> LENGTH: 12
127 <212> TYPE: RNA
128 <213> ORGANISM: Influenza A virus
130 <220> FEATURE:
131 <221> NAME/KEY: misc_feature
132 <222> LOCATION: (1)..(12)

13

12

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/088,853

DATE: 04/08/2002
TIME: 15:19:39

Input Set : A:\EP.txt
Output Set: N:\CRF3\04082002\J088853.raw

133 <223> OTHER INFORMATION: 3'-terminal nucleotide sequence
135 <400> SEQUENCE: 8
136 ccuguuucua cu
139 <210> SEQ ID NO: 9
140 <211> LENGTH: 45
141 <212> TYPE: RNA
142 <213> ORGANISM: Influenza A virus
144 <220> FEATURE:
145 <221> NAME/KEY: misc_feature
146 <222> LOCATION: (17)..(22)
147 <223> OTHER INFORMATION: This U-Stretch may comprise 5 to 6 U's.
149 <220> FEATURE:
150 <221> NAME/KEY: misc_feature
151 <222> LOCATION: (23)..(30) n can only represent a single residue,
152 <223> OTHER INFORMATION: These nucleotides (8 N's) represent
153 880 to 2300 nucleotides (= segment length of the
154 viral segments).
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Promoter-Up Variant 1104.

12

45

W--> 160 aguagaaaaca aggnnnnnnn uunnnnnnnnn nnncuguuu cuacu
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 45

165 <212> TYPE: RNA
166 <213> ORGANISM: Influenza A virus
168 <220> FEATURE:

169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (17)..(22)

171 <223> OTHER INFORMATION: This U-Stretch may comprise 5 to 6 U's.
173 <220> FEATURE:
174 <221> NAME/KEY: misc_feature
175 <222> LOCATION: (23)..(30) *same error as above*

176 <223> OTHER INFORMATION: These nucleotides (8 N's) represent
177 880 to 2300 nucleotides (= segment length of the
178 viral segments).

180 <220> FEATURE:
181 <223> OTHER INFORMATION: Promoter-Up Variant 1920.

45

183 <400> SEQUENCE: 10
W--> 184 agaagaaauc a aggnnnnnnn uunnnnnnnnn nnncuguuu cuacu

187 <210> SEQ ID NO: 11
188 <211> LENGTH: 45

189 <212> TYPE: RNA
190 <213> ORGANISM: Influenza A virus
192 <220> FEATURE:

193 <221> NAME/KEY: misc_feature
194 <222> LOCATION: (17)..(22)

195 <223> OTHER INFORMATION: This U-Stretch may comprise 5 to 6 U's.
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/088,853

DATE: 04/08/2002
TIME: 15:19:39

Input Set : A:\EP.txt
Output Set: N:\CRF3\04082002\J088853.raw

199 <222> LOCATION: (23)..(30)
200 <223> OTHER INFORMATION: These nucleotides (8 N's) represent
201 880 to 2300 nucleotides (= segment length of the
202 viral segments). *same*

204 <220> FEATURE:
205 <223> OTHER INFORMATION: Promoter-Up Variant 1948. 45

207 <400> SEQUENCE: 11

W--> 208 aguagaaaca aggnnnuuuu uunnnnnnnn nnncugguu cuccu

211 <210> SEQ ID NO: 12
212 <211> LENGTH: 45
213 <212> TYPE: RNA
214 <213> ORGANISM: Influenza B virus
216 <220> FEATURE:
217 <221> NAME/KEY: misc_feature
218 <222> LOCATION: (17)..(22)
219 <223> OTHER INFORMATION: This U-Stretch may comprise 5 to 6 U's.
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (23)..(30)
224 <223> OTHER INFORMATION: These nucleotides (8 N's) represent
225 880 to 2300 nucleotides (= segment length of the
226 viral segments). *same*

228 <400> SEQUENCE: 12

W--> 229 aguagwaaca rnnnnnnuuu uunnnnnnnn nnnnnyguuu cuacu 45

232 <210> SEQ ID NO: 13
233 <211> LENGTH: 44
234 <212> TYPE: RNA
235 <213> ORGANISM: Influenza C virus
237 <220> FEATURE:
238 <221> NAME/KEY: misc_feature
239 <222> LOCATION: (15)..(20)
240 <223> OTHER INFORMATION: This U-Stretch may comprise 5 to 6 U's.
242 <220> FEATURE:
243 <221> NAME/KEY: misc_feature
244 <222> LOCATION: (21)..(30)
245 <223> OTHER INFORMATION: These nucleotides (8 N's) represent
246 880 to 2300 nucleotides (= segment length of the
247 viral segments). *same*

249 <400> SEQUENCE: 13

W--> 250 aguaguaaca agrguuuuu nnnnnnnnnn cccuguuuc uacu 44

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/088,853

DATE: 04/08/2002
TIME: 15:19:40

Input Set : A:\EP.txt
Output Set: N:\CRF3\04082002\J088853.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13